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Memo

DATE: November 14, 2003

TO: RHIC E-Coolers

FROM: *Ady Hershcovitch*

SUBJECT: **Minutes of the November 14, 2003 Meeting**

Present: Ilan Ben-Zvi, Xiangyun Chang, Alexei Fedotov, Ady Hershcovitch Jorg Kewisch, Vladimir Litvinenko, Thomas Roser, Alexander Smirnov (JINR Dubna Russia), Dejan Trbojevic, Jie Wei.

Topics discussed: Simulation & Calculations

Simulation & Calculations: in answer to Thomas' question, Alexei and Alexander gave a brief description on progress made in the BETACOOOL code and on the status of its adaptation for the RHIC parameters. BETACOOOL is a complex C++ code that is compatible with Windows. The code was basically being rebuilt. New calculations of IBS from first principle molecular dynamics are about to be completed. At this point in time, there are no new physics results.

Vladimir gave a presentation regarding E-RHIC simulations made by Jorg and himself. A scenario based on having electrons from a LINAC colliding with ions in one of the RHIC rings seems to be preferable to having an electron ring.

Reminder: Waldo has been posting meeting minutes on the web. They can be found at <http://www.rhichome.bnl.gov/RHIC/luminosity/upgrade/minutes/>. Additional pages of interest are: <http://www.rhichome.bnl.gov/RHIC/luminosity/> a general page for luminosity issues in RHIC; and, <http://www.rhichome.bnl.gov/RHIC/luminosity/upgrade/> a page for upgrade issues.